

FIG. 1 (PRIOR ART)

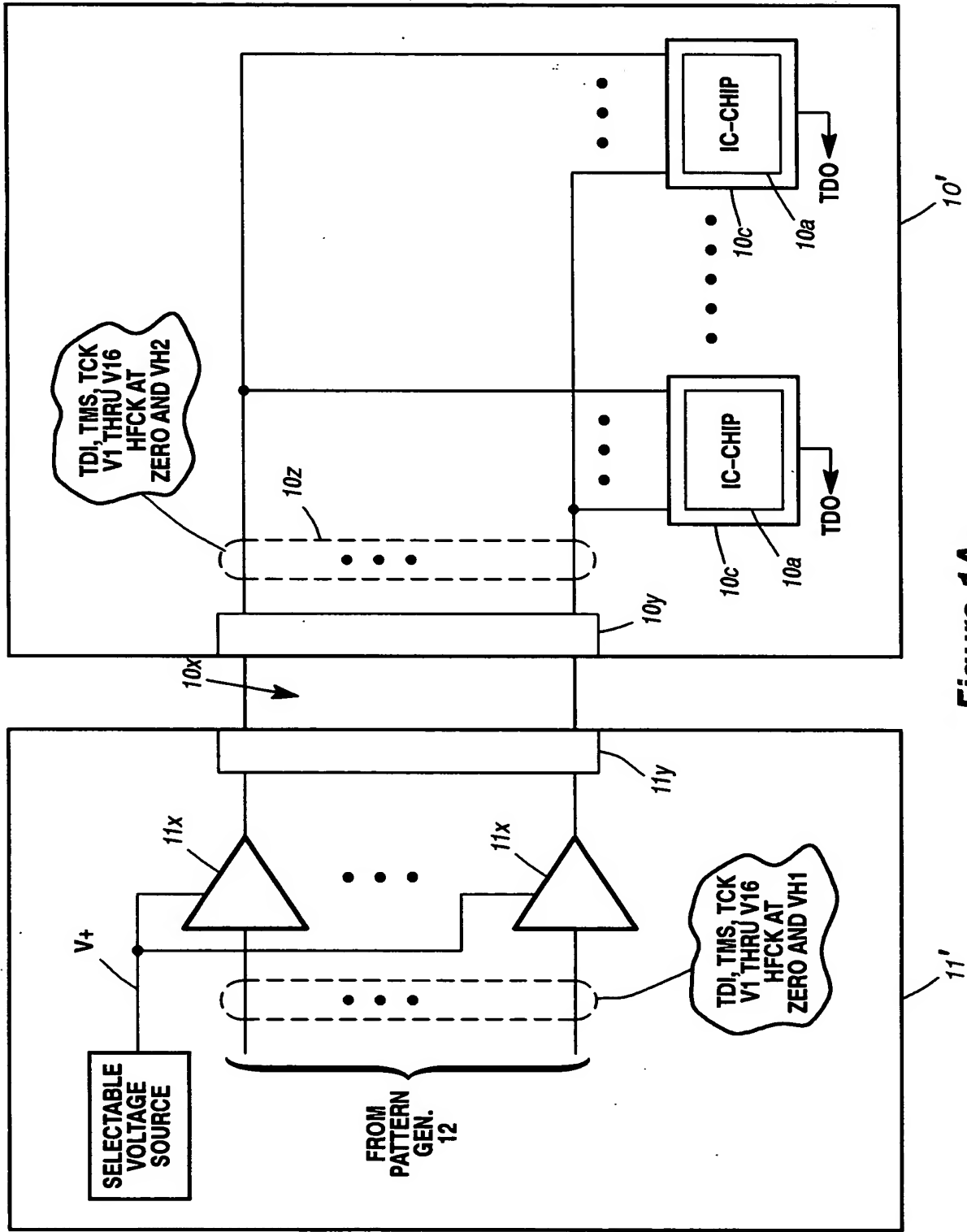


Figure 1A

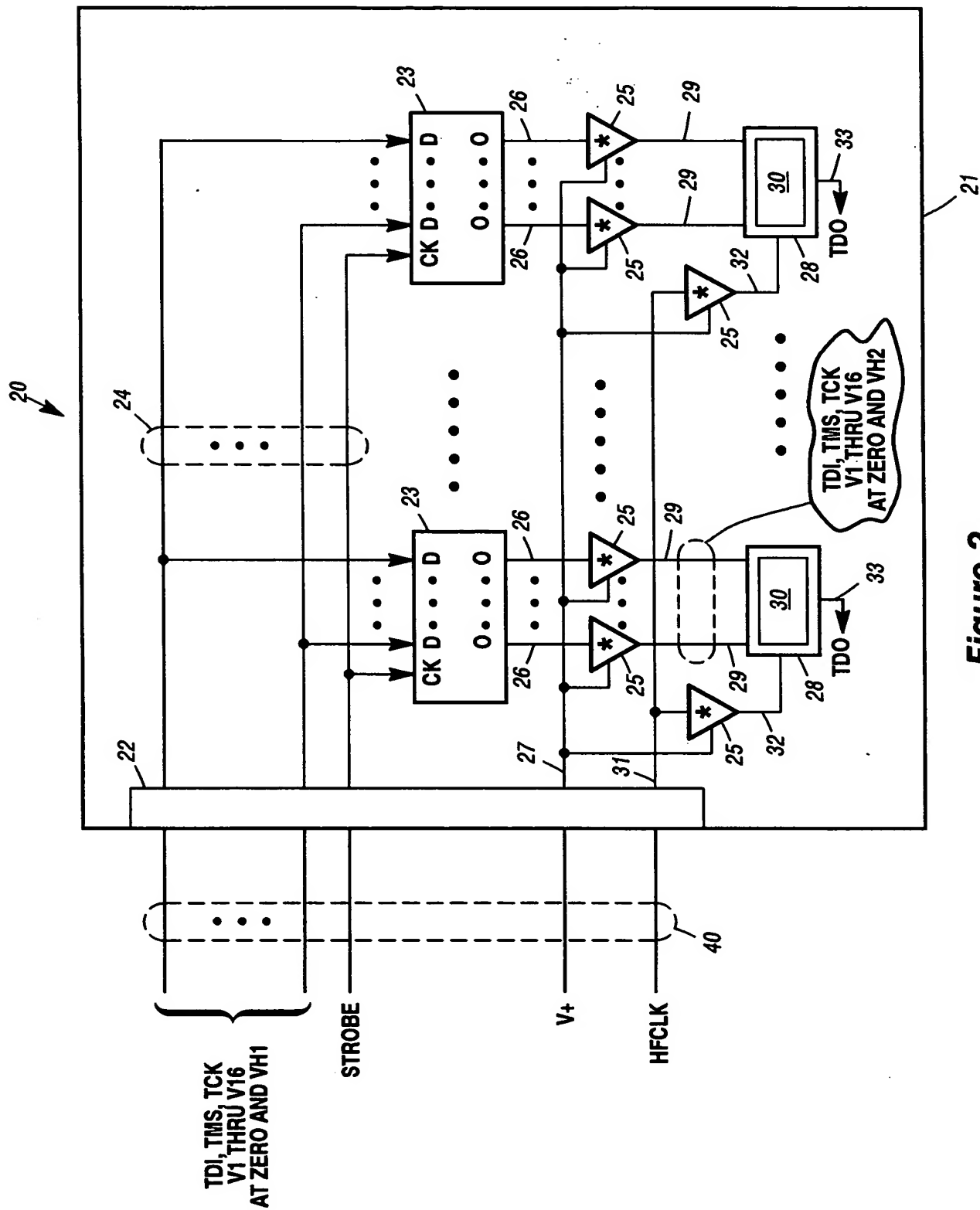


Figure 2

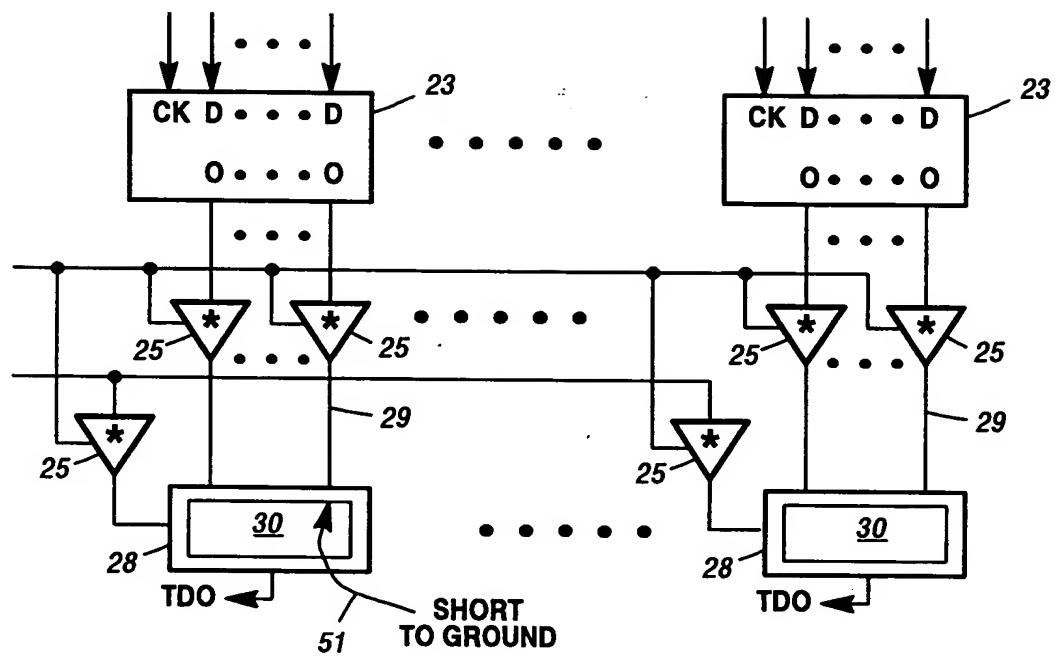


Figure 3A

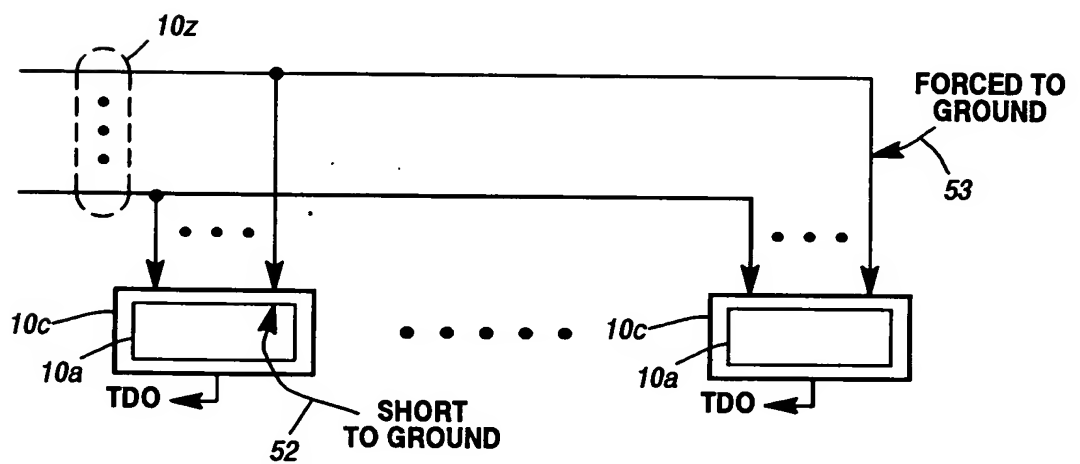


Figure 3B

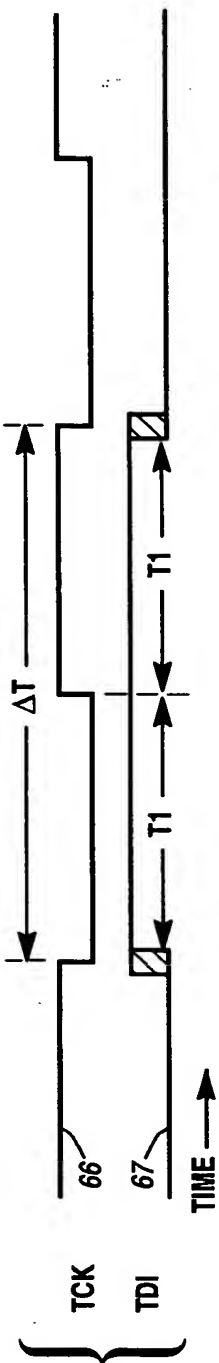
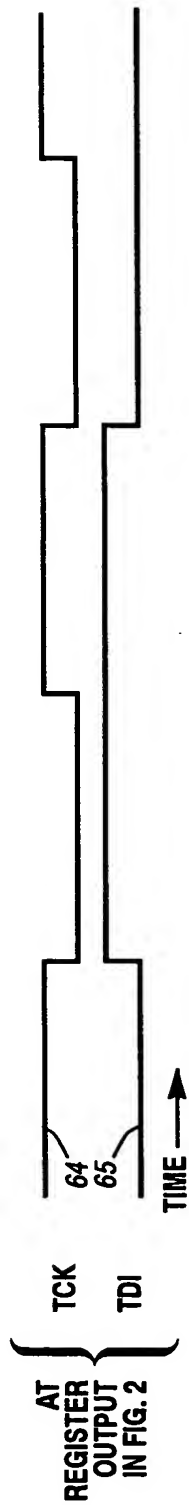
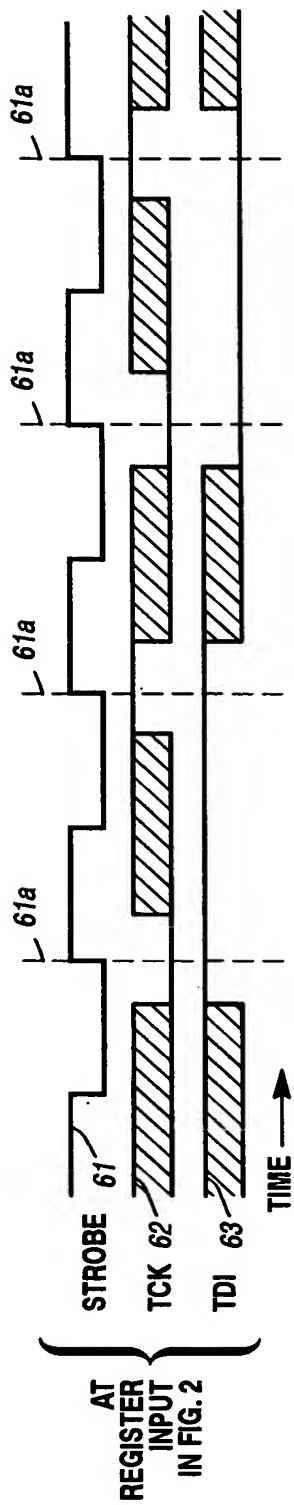


Figure 4A

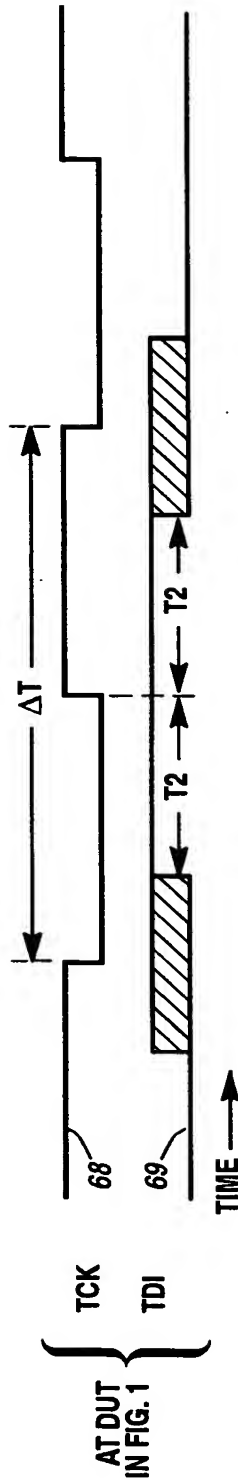


Figure 4B

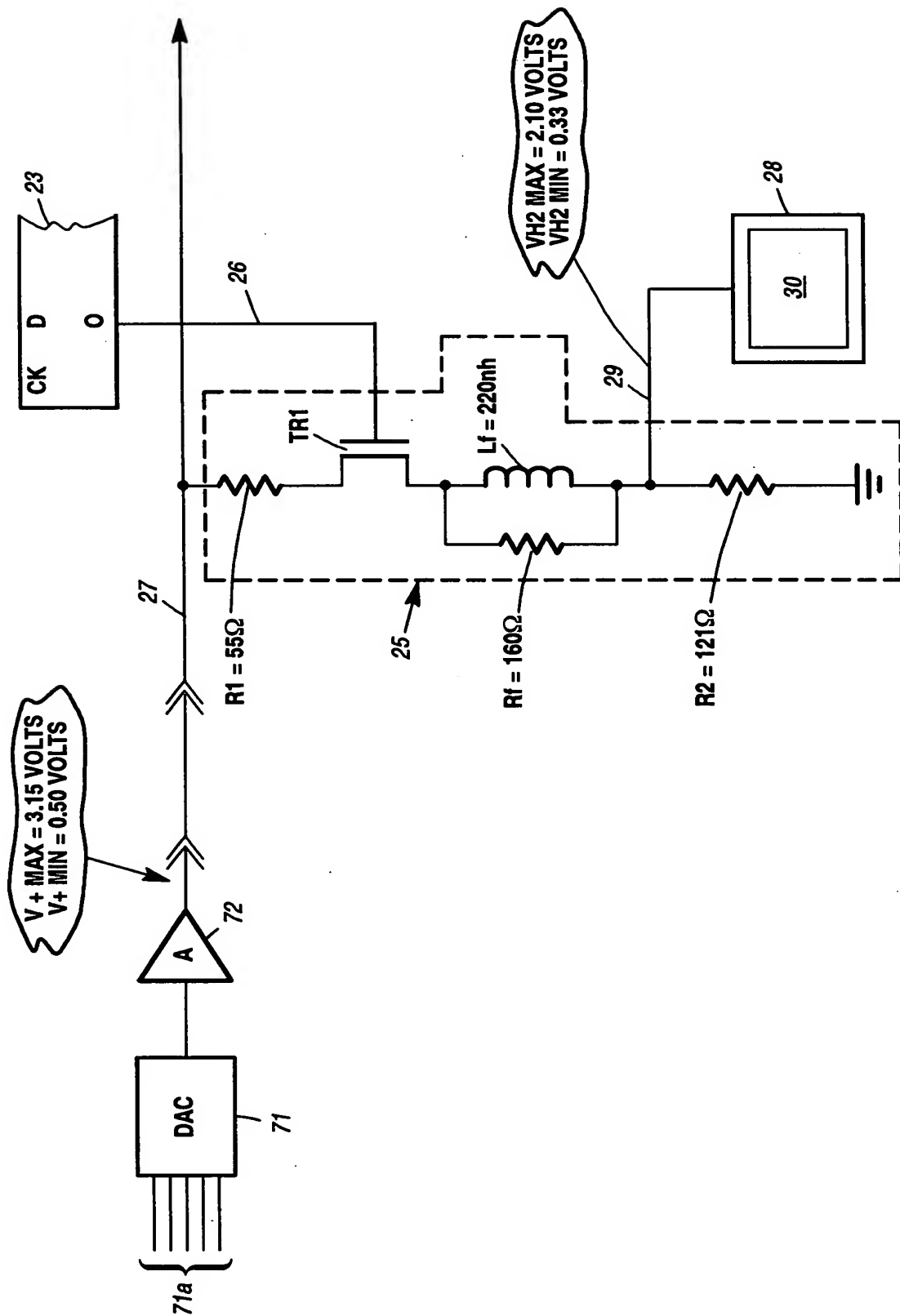


Figure 5

Eq. 1 $\sim \text{MAX POWER} = (\text{MAX CURRENT})^2(55 + R - \text{ON} + 121)$

Eq. 2 $\sim \text{MAX CURRENT} = \frac{3.15}{55 + R - \text{ON} + 121}$

Eq. 3 $\sim R - \text{ON} = 4.5\Omega \pm 50\%$

Eq. 4 $\sim \text{MAX CURRENT} = \frac{3.15}{55 + 2.25 + 121} = 17.6 \text{ ma}$

Eq. 5 $\sim \text{MAX POWER} = (17.6 \text{ ma})^2 (55 + 2.25 + 127) = 55.6 \text{ mw}$

**Eq. 6 \sim Compare: EDGE 692
MIN POWER PER CHIP = 1.5 WATTS
MAX POWER PER CHIP = 3.0 WATTS
TWO TRANSLATORS PER CHIP**

Eq. 7 $\sim 0.055 \text{ WATTS MAX VS } 1.50 \text{ WATTS MAX}$

Eq. 8 $\sim 0.000 \text{ WATTS MIN VS } 0.75 \text{ WATTS MIN}$

Eq. 9 $\sim 0.027 \text{ WATTS AVE VS } 1.12 \text{ WATTS AVE}$

Figure 6

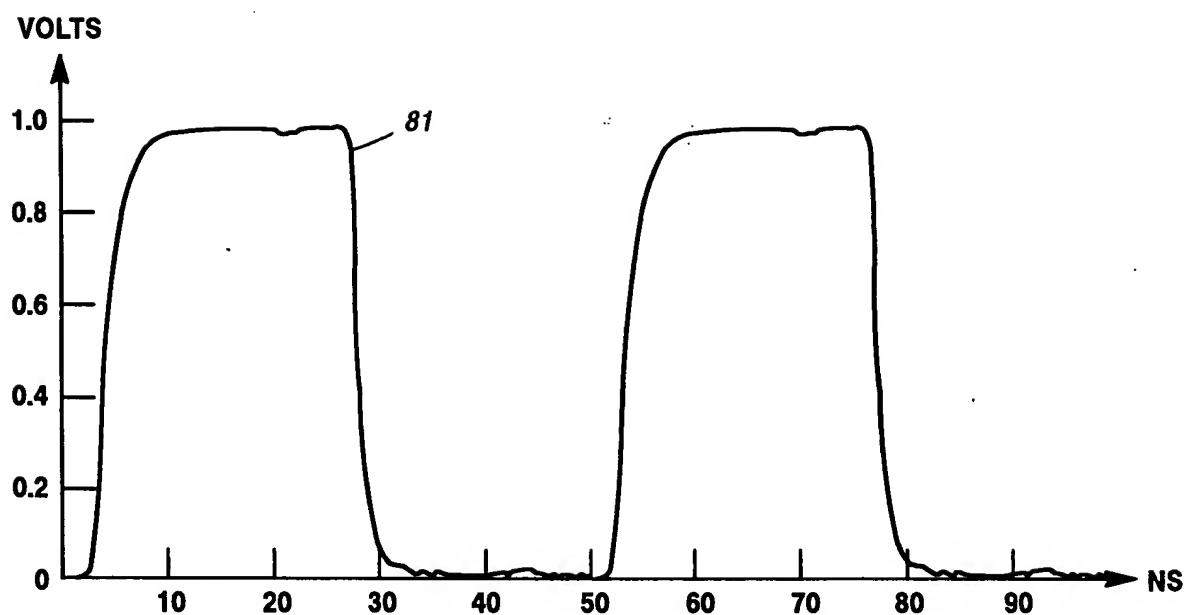


Figure 7A

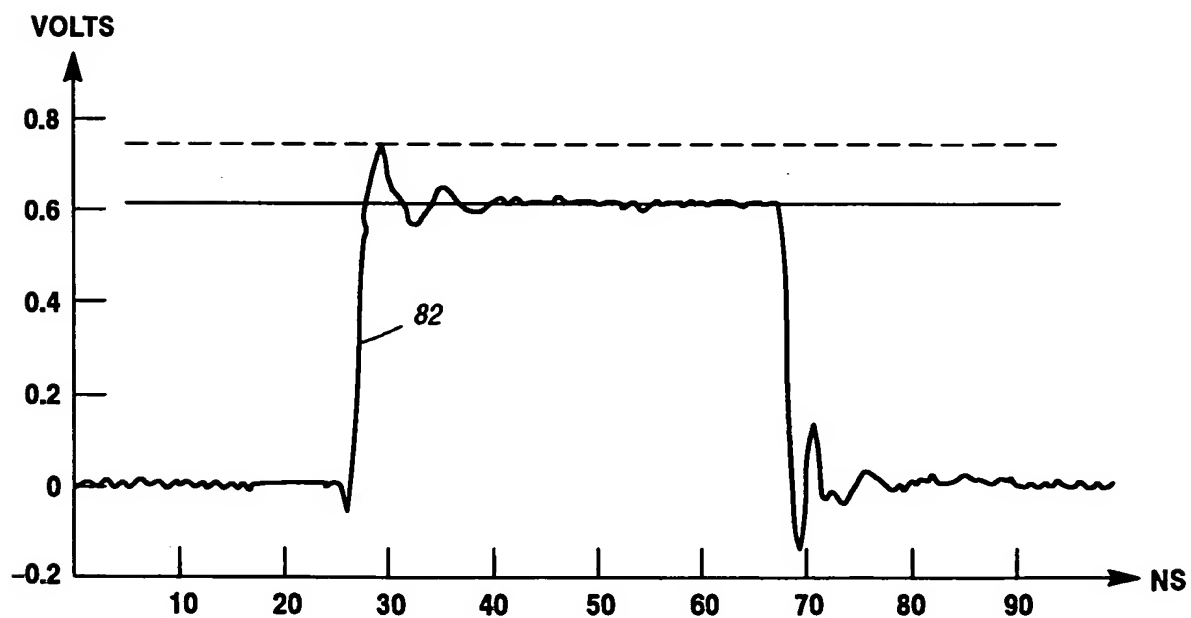


Figure 7B



Figure 8

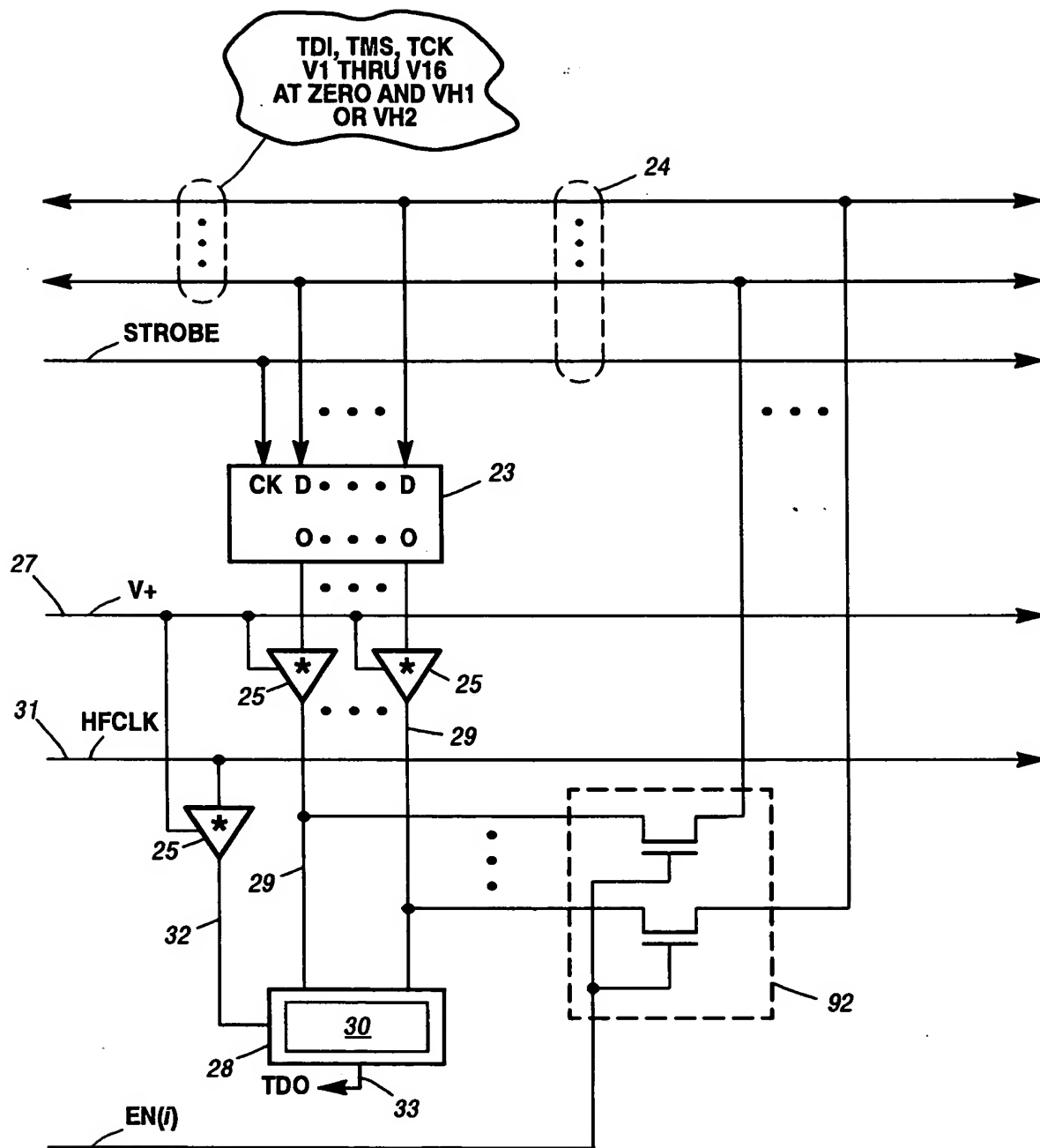


Figure 9

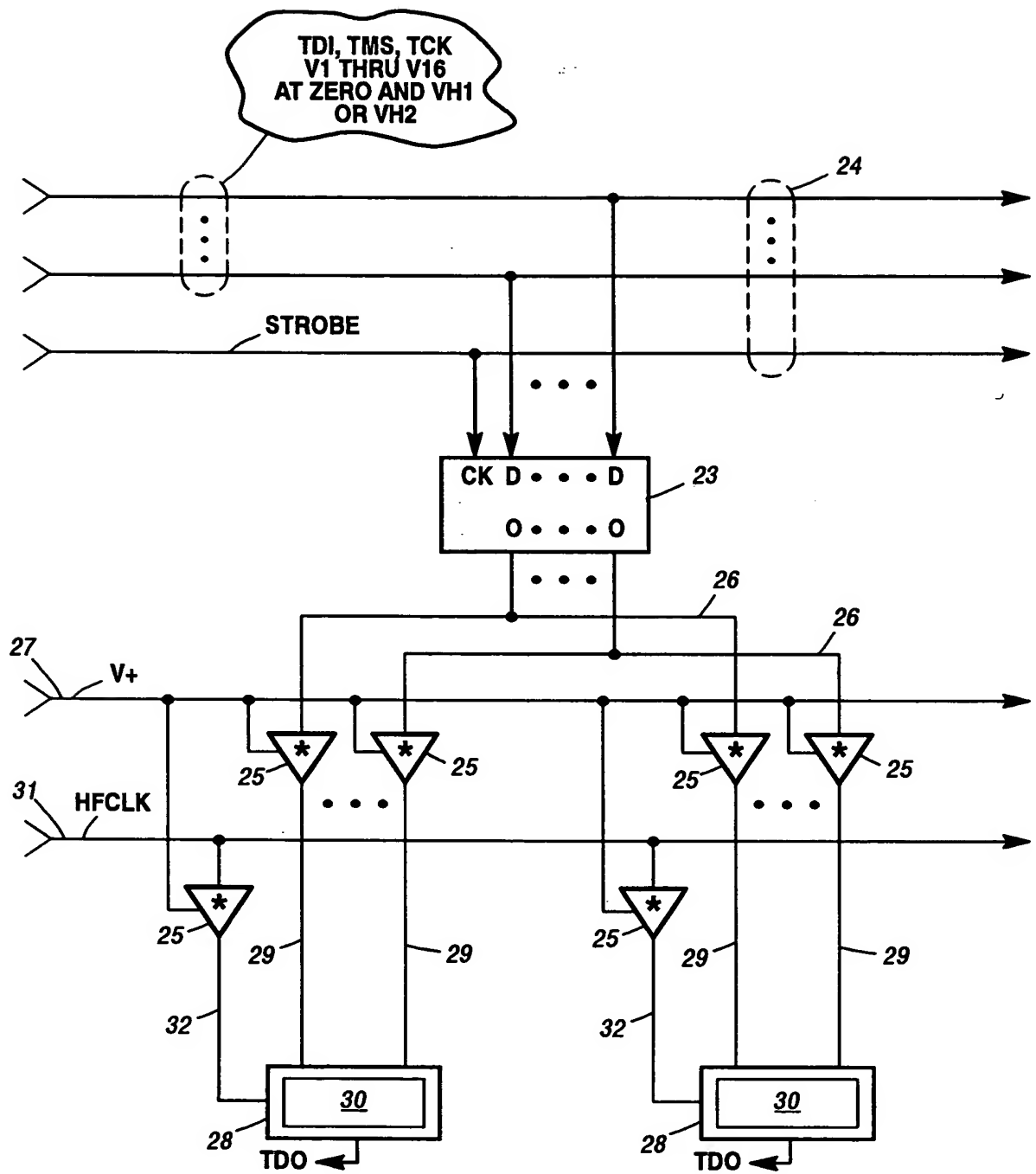


Figure 10